

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 859  | (704/2).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/07 07:04 |
| L2    | 511  | (704/1).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/07 07:06 |
| L3    | 325  | (704/4).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/07 07:06 |
| L4    | 1571 | L2 L3 1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/07 07:06 |
| L5    | 2734 | (pronunc\$7<br>read\$3)same(character\$3<br>word\$2)and((kana (hiragana<br>katakana))and kanji)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/07 07:07 |
| L6    | 126  | 4 AND L5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/07 07:07 |
| L7    | 171  | (pronunc\$7<br>read\$3)with(character\$3<br>word\$2)same ((kana (hiragana and<br>katakana))and kanji)and (succeed\$4<br>adjacent preced\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/07 07:07 |

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|-----|-----|--|--|----|-----|------------------|
| L8  | 9   | 4 AND L7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/07 07:08 |
| S1  | 508 | (704/1).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 13:11 |
| S9  | 1   | japan\$4 with (pronunc\$7<br>read\$3)with(character\$3<br>word\$2)with ((kana (hiragana and<br>katakana))and kanji)and onyomi<br>and kunyomi | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/07 07:04 |
| S11 | 1   | japan\$4 with (pronunc\$7<br>read\$3)with(character\$3<br>word\$2)same ((kana (hiragana and<br>katakana))and kanji)and onyomi<br>and kunyomi | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 13:21 |
| S15 | 10  | japan\$4 with (pronunc\$7<br>read\$3)with(character\$3<br>word\$2)with ((kana (hiragana and<br>katakana))and kanji)and kun                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 13:30 |
| S16 | 13  | japan\$4 with (pronunc\$7<br>read\$3)with(character\$3<br>word\$2)same ((kana (hiragana and<br>katakana))and kanji)and kun                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 13:30 |
| S17 | 13  | japan\$4 with (pronunc\$7<br>read\$3)same(character\$3<br>word\$2)same ((kana (hiragana and<br>katakana))and kanji)and kun                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 13:31 |

## EAST Search History

|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S18 | 25 | japan\$4 with (pronunc\$7 read\$3)same(character\$3 word\$2)and((kana (hiragana and katakana))and kanji)and kun        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 13:43 |
| S19 | 2  | japan\$4 with (pronunc\$7 read\$3)same(character\$3 word\$2)and((kana (hiragana and katakana))and kanji)and kun and on | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 13:44 |
| S20 | 25 | japan\$4 with (pronunc\$7 read\$3)same(character\$3 word\$2)and((kana (hiragana and katakana))and kanji)and kun        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 15:43 |
| S21 | 1  | ("2003/0152261").URPN.   | USPAT  | OR | OFF | 2006/11/17 13:53 |
| S22 | 0  | ("2002/0152246").URPN.   | USPAT  | OR | OFF | 2006/11/17 13:54 |
| S23 | 26 | japan\$4 with (pronunc\$7 read\$3)and(character\$3 word\$2)and((kana (hiragana and katakana))and kanji)and kun         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 14:12 |
| S24 | 0  | ("2002/0152246").URPN.   | USPAT  | OR | OFF | 2006/11/17 15:34 |
| S25 | 26 | japan\$4 with (pronunc\$7 read\$3)and((kana (hiragana and katakana))and kanji)and kun                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 15:44 |
| S26 | 27 | japan\$4 with (pronunc\$7 read\$3)and((kana (hiragana katakana))and kanji)and kun                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 15:49 |

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|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S27 | 99 | ( "4379288"   "4384329"   "4544276"<br>  "4611280"   "4615002"  <br>"4641264"   "4706212"   "4730270"<br>  "4737040"   "4951202"  <br>"4954984"   "4962452"   "5040218"<br>  "5056021"   "5091878"  <br>"5109352"   "5136503"   "5146587"<br>  "5164900"   "5175803"  <br>"5214583"   "5243519"   "5251130"<br>  "5268990"   "5307267"  <br>"5339433"   "5371844"   "5377317"<br>  "5384700"   "5390295"  <br>"5416903"   "5418718"   "5420976"<br>  "5426583"   "5432948"  <br>"5434776"   "5434777"   "5440482"<br>  "5448474"   "5485373"  <br>"5490061"   "5523946"   "5546575"<br>  "5550965"   "5583761"  <br>"5594642"   "5600779"   "5613122"<br>  "5640581"   "5640587"  <br>"5642490"   "5644775"   "5649223"<br>  "5652884"   "5675818"  <br>"5677835"   "5678039"   "5682158"<br>  "5721825"   "5724593"  <br>"5734887"   "5758295"   "5758314"<br>  "5778356"   "5784069"  <br>"5784071"   "5787452"   "5790116"<br>  "5793381"   "5799303"  <br>"5802539"   "5812122"   "5812964"<br>  "5815148"   "5828992"  <br>"5832478"   "5844798"   "5870084"<br>  "5872973"   "5873111"  <br>"5917484"   "5966637"   "5974372"<br>  "5978754"   "5995101"  <br>"6003049"   "6024571"   "6028600"<br>  "6047252"   "6078935"  <br>"6092037"   "6144377"   "6167366"<br>  "6205418"   "6219632"  <br>"6229622"   "6252589"   "6321191"<br>  "6332148").PN. OR ("7099876").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2006/11/17 15:45 |
| S28 | 2  | S27 and kun  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 15:47 |

## EAST Search History

|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S29 | 27 | japan\$4 same(pronunc\$7 read\$3)and((kana (hiragana katakana))and kanji)and kun   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 15:50 |
| S30 | 31 | japan\$4 and(pronunc\$7 read\$3)and((kana (hiragana katakana))and kanji)and kun  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/17 15:50 |
| S32 | 57 | japan\$4 with (pronunc\$7 read\$3)with(character\$3 word\$2)same ((kana (hiragana and katakana))and kanji)and (succeed\$4 preced\$4)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:15 |
| S33 | 5  | japan\$4 with (pronunc\$7 read\$3)with(character\$3 word\$2)same ((kana (hiragana and katakana))and kanji)and (succeed\$4 preced\$4)and kun            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/01 17:39 |
| S34 | 8  | japan\$4 with (pronunc\$7 read\$3)with(character\$3 word\$2)same ((kana (hiragana and katakana))and kanji)and (succeed\$4 preced\$4 left right)and kun | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/01 17:49 |
| S35 | 14 | (pronunc\$7 read\$3)with(character\$3 word\$2)same ((kana (hiragana and katakana))and kanji)and (succeed\$4 preced\$4 left right)and kun               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/01 17:49 |
| S36 | 1  | (pronunc\$7 read\$3)with(character\$3 word\$2)with ((kana (hiragana and katakana))and kanji)and onyomi and kunyomi                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/07 07:06 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S37 | 1    | (pronunc\$7<br>read\$3)with(character\$3<br>word\$2)same((kana (hiragana and<br>katakana))and kanji)and onyomi<br>and kunyomi               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:08 |
| S38 | 1    | (pronunc\$7<br>read\$3)with(character\$3<br>word\$2)same((kana (hiragana<br>katakana))and kanji)and onyomi<br>and kunyomi                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:08 |
| S39 | 1    | (pronunc\$7<br>read\$3)same(character\$3<br>word\$2)same((kana (hiragana<br>katakana))and kanji)and onyomi<br>and kunyomi                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:09 |
| S40 | 1    | (pronunc\$7<br>read\$3)same(character\$3<br>word\$2)and((kana (hiragana<br>katakana))and kanji)and onyomi<br>and kunyomi                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:10 |
| S41 | 2733 | (pronunc\$7<br>read\$3)same(character\$3<br>word\$2)and((kana (hiragana<br>katakana))and kanji)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/07 07:06 |
| S42 | 6    | (pronunc\$7<br>read\$3)same(character\$3<br>word\$2)and((kana (hiragana<br>katakana))and kanji)and (kunyomi<br>kun-read\$3)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:11 |
| S43 | 171  | (pronunc\$7<br>read\$3)with(character\$3<br>word\$2)same ((kana (hiragana and<br>katakana))and kanji)and (succeed\$4<br>adjacent preced\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:16 |

## EAST Search History

|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S44 | 24 | (pronunc\$7 read\$3)with(character\$3 word\$2)with(succeed\$4 adjacent preced\$4)same ((kana (hiragana and katakana))and kanji)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:18 |
| S45 | 2  | (pronunc\$7 read\$3)with(character\$3 word\$2)with(succeed\$4 adjacent preced\$4)same ((kana (hiragana and katakana))and kanji)and kun | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:20 |
| S46 | 3  | (pronunc\$7 read\$3)same(character\$3 word\$2)with(succeed\$4 adjacent preced\$4)same ((kana (hiragana and katakana))and kanji)and kun | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:22 |
| S47 | 4  | (pronunc\$7 read\$3)same(character\$3 word\$2)with(succeed\$4 adjacent preced\$4)and kanji and kun                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:25 |
| S48 | 39 | (pronunc\$7 read\$3)same(character\$3 word\$2)and kanji and kun  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:32 |
| S49 | 40 | (pronunc\$7 read\$3)and(character\$3 word\$2)and kanji and kun   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:55 |
| S50 | 75 | "4907282"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:51 |
| S51 | 1  | ("4907282").PN.  | USPAT;<br>USOCR  | OR | OFF | 2006/12/05 17:52 |

## EAST Search History

|     |     |   |  |    |     |                  |
|-----|-----|---|--|----|-----|------------------|
| S52 | 1   | ("5923314").PN.                         | USPAT;<br>USOCR  | OR | OFF | 2006/12/05 17:52 |
| S53 | 40  | (character\$3 word\$2)and kanji and kun | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 17:56 |
| S54 | 42  | kanji and kun                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 21:09 |
| S55 | 322 | (704/4).CCLS.                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/05 21:09 |